Terms Searched:
L1   ((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4)
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)
L3   1 same 2 and @pd>"20060808"
Results: 0 hit

L4   (coupling or crosstalk$3 or (cross$3 adj talk$3))
L5   1 same 4
L6   5 and 716/1-18.ccls. and @pd>"20060808"
Results: 1 hit

L7   (combin$3 or merg$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same"))
L8   7 and 716/1-18.ccls. and @pd>"20060808"
Results: 9 hits

L8   ((reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4) near15 (abstract$4 or topolog$6 or model$3))
L9   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)
L10   (MST or (minimum adj spanning adj tree))
L11   8 same 9
L12   10 and 11 and @pd>"20060805"
Results: 1 hit

L13 (((resistance or resistivity) same (capacitance or capacity)) or (RC)) near10 (shar$3 or common$2) near15 (merg$3 or combin$5 or group$3 or cluster$8) same node
L14   (716/1-18.ccls. or 703/14-16,2.ccls.) and 13 and @pd>20060805
Results: 0 hit

L15   (((resistance or resistivity) same (capacitance or capacity)) or (RC or "r*c")) near10 (shar$3 or common$2) same node
L16   (716/1-18.ccls. or 703/14-16,2.ccls.) and 15 and @pd>20060805
Results: 1 hit

L17   symmetric$4 near5 node
L18   (merg$3 or combin$5 or group$3 or cluster$8) same 17
L19   8 and 17 and (716/1-18.ccls. or 703/14-16,2.ccls.) and @pd>20060805
Results: 4 hits

L1   ((reduc$3 or reduction or simplif$8 or approximat$4 or proximat44 or estimat$4 or predict$4) near15 (abstract$4 or topolog$6 or model$3)) or (MST or (minimum adj spanning adj tree))
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than))
L3   1 same 2
L4   716/1-18.ccls. or 703/2,14-16.ccls.
L5   3 and 4

L6 (MST or (minimum adj spanning adj tree))
L7 5 and 6 and @pd>20060721
Results: 7 hits

L8 (rc or "r*c" or resistance or resistivity or resistor or capacitance or capacitor or capacity or load$3)
L9 7 and 8 and @pd>"20060721"
Results: 7 hits

L10 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat44 or estimat$4 or predict$4) near15
(abstract$4 or topology or model$3)
L11 (minimal$2 or negligibl$2 or inconsequential$2)
L12 10 same 11
L13 4 and 12 and @pd>20060721
Results: 18 hits

L14 10 same 2
L15 4 and 14
L16 (error or accura$5 or effect or affect or result$3) same 10 same 2
L17 16 and 4
L18 6 and 8 and 17 and @pd>20060721
Results: 0 hit

L19 10 near15 2 near5 (error or accura$5 or effect or affect or result$3)
L20 4 and 19 and @pd>20060721
Results: 8 hits

| US 7137097 B1 | USPAT Aji; Sandeep A. et al. | 716/12 |
| US 7149986 B2 | USPAT Weber; Larren Gene | 716/4 |

Interference Search
Database Searched: USPGPUB
Plurals: ON
Terms Searched:
L1 (((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or
proximat$4 or estimat$4 or predict$4)
and (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or
"no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or
predetermined or error or range or effect or predefined or value or standard)).clm.
Results: 0 hit
L2 (((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or
proximat$4 or estimat$4 or predict$4)
near15 (coupling or crosstalk$3 or (cross$3 adj talk$3))).clm.
Results: 0 hit
L3 ((combin$3 or merg$3) same (((input same output) or ((fanin or fan-in) same (fanout or
fan-out))) near10 (similar$5 or identical$2 or match$3 or "same"))).clm.
Results: 151 hits
L4 ((combin$3 or merg$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout
or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same"))).clm.
Results: 79 hits
L5 ((combin$3 or merg$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout
or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same")) near15 (reduc$3 or
reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4)).clm.
Results: 2 hits
L6 (((reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or
predict$4) near15 (abstract$4 or topolog$6 or model$3))
near15 (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or
"no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or
predetermined or error or range or effect or predefined or value or standard)

and (MST or (minimum adj spanning adj tree))).clm.
Results: 0 hit
L7   ((((resistance or resistivity) near15 (capacitance or capacity)) or (RC)) near10 (shar$3 or common$2) near15 (merg$3 or combin$5 or group$3 or cluster$8) near15 node).clm.
Results: 0 hit

Date Searched: 8/8/2006
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   ((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4)
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)
L3   1 same 2
Results: 10 hits

L4   (coupling or crosstalk$3 or (cross$3 adj talk$3))
L5   1 same 4
L6   5 and 716/1-18.ccls.
Results: 3 hits

L7   (combin$3 or merg$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same"))
L8   7 and 716/1-18.ccls.
Results: 66 hits

US 20040049746 A1	US-PGPUB	Rao, Vasant B. et al.	716/4
US 6353917 B1	USPAT	Muddu; Sudhakar et al.	
US 5901063 A	USPAT	Chang; Keh-Jeng et al.	
US 20040103386 A1	US-PGPUB	Becer, Murat R. et al.	

Databases Searched: EPO, JPO, IBM TDB, Derwent
Plurals: ON
Terms Searched:
L1   ((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4)
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)
L3   1 same 2
Results: 0 hit
L4   1 and 2
Results: 0 hit

Database Searched: IEE/IEEE Xplore
Terms Searched: ((rc or rcl) <near/5> network) <near/10> (reduc* or simplif* or approximat* or proximat* or estimat* or predict*)
and (minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or (("not" or "no")

<near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than)) <near/5> (threshold or predetermined or error or range or effect or predefined or value or standard)

Results: Your search matched **0** documents

Terms Searched: ((rc or rcl) <near/5> network) <near/10> (reduc* or simplif* or approximat* or proximat* or estimat* or predict*)

Results: Your search matched **60** of **1387402** documents

Date Searched: 8/5/2006
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   ((reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4) near15 (abstract$4 or topolog$6 or model$3))
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)
L3   (MST or (minimum adj spanning adj tree))
L4   1 same 2
L5   3 and 4
Results: 5 hits

L6   (((resistance or resistivity) same (capacitance or capacity)) or (RC)) near10 (shar$3 or common$2) near15 (merg$3 or combin$5 or group$3 or cluster$8) same node
L7   (716/1-18.ccls. or 703/14-16,2.ccls.) and 6
Results: 0 hits

L8   (((resistance or resistivity) same (capacitance or capacity)) or (RC or "r*c")) near10 (shar$3 or common$2) same node
L9   (716/1-18.ccls. or 703/14-16,2.ccls.) and 8
Results: 9 hits

L10   symmetric$4 near5 node
L11   (merg$3 or combin$5 or group$3 or cluster$8) same 10
L12   1 and 11 and (716/1-18.ccls. or 703/14-16,2.ccls.)
Results: 31 hits

US 5818729 A   USPAT Wang; Chi-Hung et al.   716/9

Databases Searched: EPO, JPO, IBM TDB, Derwent
Plurals: ON
Terms Searched:
L1   ((reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4) near15 (abstract$4 or topolog$6 or model$3))
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)
L3   (MST or (minimum adj spanning adj tree))
L4   1 same 2
L5   3 and 4
Results: 0 hit

L6   (((resistance or resistivity) same (capacitance or capacity)) or (RC)) near10 (shar$3 or common$2) near15 (merg$3 or combin$5 or group$3 or cluster$8) same node
Results: 1 hit

L7   (((resistance or resistivity) same (capacitance or capacity)) or (RC or "r*c")) near10 (shar$3 or common$2) same node
Results: 25 hits

L8   symmetric$4 near5 node
L9   (merg$3 or combin$5 or group$3 or cluster$8) same 8
L10   1 and 9
Results: 1 hit

JP 2003218204 A   JPO   TSUJII, TAKAFUMI

Database Searched: IEE/IEEE Xplore
Terms Searched: ((reduc* or simplif* or approximat* or proximat* or estimat* or predict*) <near/15> (abstract* or topolog* or model*)) and (minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or (("not" or "no") <near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than)) <near/5> (threshold or predetermined or error or range or effect or predefined or value or standard) and (MST or (minimum <near/1> spanning <near/1> tree))

Results: Your search matched 0 documents.

Terms Searched: (((resistance or resistivity) or (capacitance or capacity)) or (RC)) <near/10> (shar* or common*) <near/15> (merg* or combin* or group* or cluster*) and node

Results: Your search matched 9 of 1382205 documents

Terms Searched: ((reduc* or simplif* or approximat* or proximat* or estimat* or predict*) <near/15> (abstract* or topolog* or model*)) and (((resistance or resistivity) or (capacitance or capacity)) or (RC)) <near/10> (shar* or common*) <near/15> node

Results: Your search matched 0 documents

Terms Searched: (symmetric* <near/5> node) <near/10> (merg* or combin* or group* or cluster*)

Results: Your search matched 10 of 1382205 documents

Date Searched: 7/21/2006
Databases Searched: USPAT, USPGPUB
Plurals: ON
Terms Searched:
L1   ((reduc$3 or reduction or simplif$8 or approximat$4 or proximat44 or estimat$4 or predict$4) near15 (abstract$4 or topolog$6 or model$3)) or (MST or (minimum adj spanning adj tree))
L2   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than))
L3   1 same 2
L4   716/1-18.ccls. or 703/2,14-16.ccls.
L5   3 and 4
Results: 615 hits

L6   (MST or (minimum adj spanning adj tree))
L7   5 and 6
Results: 65 hits

L8   (rc or "r*c" or resistance or resistivity or resistor or capacitance or capacitor or capacity or load$3)
L9   7 and 8
Results: 60 hits

L10   (reduc$3 or reduction or simplif$8 or approximat$4 or proximat44 or estimat$4 or predict$4) near15
(abstract$4 or topology or model$3)
L11   (minimal$2 or negligibl$2 or inconsequential$2)
L12   10 same 11
L13   4 and 12
Results: 119 hits

L14   10 same 2
L15   4 and 14
Results: 556 hits
L16   (error or accura$5 or effect or affect or result$3) same 10 same 2
L17   16 and 4
Results: 309 hits

L18   6 and 8 and 17
Results: 2 hits

L19   10 near15 2 near5 (error or accura$5 or effect or affect or result$3)
L20   4 and 19
Results: 66 hits

Databases Searched: EPO, JPO, IBM TDB, Derwent
Plurals: ON
Terms Searched:

L1   (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more
or bigger or exceed$3 or surpass$3 or greater) adj than))
L2   (reduc$3 or reduction or simplif$8 or approximat$4 or proximat44 or estimat$4 or predict$4) near15
(abstract$4 or topology or model$3)
L3   1 near15 2 near5 (error or accura$5 or effect or affect or result$3)
Results: 37 hits

L4   1 near15 2
Results: 233 hits
L5   g06f017$.ipc. and 4
Results: 19 hits

L6   (IBM TDB only)   1 near15 2
Results: 3 hits

Databases Searched: IEE/IEEE Xplore
Terms Searched: ((minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or (("not" or "no")
<near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than))) <near/15> ((reduc* or reduction or
simplif* or approximat* or proximat* or estimat* or predict*) <near/15> (abstract* or topology or model*))
<near/10> (accura$5 or effect or affect or result*)

Results: Your search matched **171** of **1373978** documents

Terms Searched: ((minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or (("not" or "no")
<near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than))) <near/10> ((reduc* or reduction or
simplif* or approximat* or proximat* or estimat* or predict*) <near/10> (abstract* or topology or model*))
<near/5> (accura$5 or effect or affect or result*)

Results: Your search matched **44** of **1373978** documents

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L50	0	(((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4) and (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)).clm.	US-PGPUB	OR	ON	2007/02/17 13:49
L51	0	(((rc or rcl) near5 network) near10 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4) near15 (coupling or crosstalk$3 or (cross$3 adj talk$3))).clm.	US-PGPUB	OR	ON	2007/02/17 13:50
L52	151	(combin$3 or merg$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same")).clm.	US-PGPUB	OR	ON	2007/02/17 13:51
L53	151	((combin$3 or merg$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same"))).clm.	US-PGPUB	OR	ON	2007/02/17 13:51
L54	79	((combin$3 or merg$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same"))).clm.	US-PGPUB	OR	ON	2007/02/17 13:52
L55	2	((combin$3 or merg$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout or fan-out))) near10 (similar$5 or identical$2 or match$3 or "same")) near15 (reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4)).clm.	US-PGPUB	OR	ON	2007/02/17 13:53

EAST Search History

L56	0	(((reduc$3 or reduction or simplif$8 or approximat$4 or proximat$4 or estimat$4 or predict$4) near15 (abstract$4 or topolog$6 or model$3)) near15 (minimal$2 or negligibl$2 or inconsequential$2 or small$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed$3 or surpass$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard) and (MST or (minimum adj spanning adj tree))).clm.	US-PGPUB	OR	ON	2007/02/17 13:55
L57	0	((((resistance or resistivity) near15 (capacitance or capacity)) or (RC)) near10 (shar$3 or .common$2) near15 (merg$3 or combin$5 or group$3 or cluster$8) near15 node).clm.	US-PGPUB	OR	ON	2007/02/17 13:56